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This is, indeed, a very short catalogue, but I hope it will prove worthy of presentation if it shall serve for the beginning of one more extended; for, on theoretical grounds, I am strongly of the opinion that many more changes of color occur among the stars than have been observed and recorded.

February 17th.

Vice-President BRIDGES in the Chair.

Eighteen members present.

The following was presented for publication:

Catalogue of the N. American Sciænoids. By Theo. Gill.

The Committee on Proceedings laid on the table the published Number for October, November and December, 1862.

February 24th.

The President, Mr. LEA, in the Chair.

Seventeen members present.

On Report of the respective Committees, the following were ordered to be published:

Catalogue of the North American SCIÆNOID Fishes.

BY THEODORE GILL.

Since the publication of the several articles on the Sciænoids of the Eastern Coast of the United States,* the additional facilities which I have enjoyed have enabled me to detect some errors, adopted from previous laborers, in the nomenclature of those species, and I have been also led to propose some modifications in the arrangement of the family itself.†

A. Lower jaw received within the upper (vertebræ 10 | 14
—14 + X.)

B. Teeth of both jaws developed; upper pharyngeal bones three.

C. Lower pharyngeal bones completely separated SCIÆNINÆ.

* Chin smooth.

† Caudal lanceolate; head above very broad, nearly flat between eyes; preoperculum behind crest cavernous and multipartite *Stelliferus*.

†† Caudal entire or sinuated; head narrow, transversely convex; preoperculum behind crest flat.

1. Body and head oblong, compressed; anal under posterior half of second dorsal *Bairdiella*.

2. Body and head elongated; anal under middle of second dorsal *Sciænops*.

** Chin with a single moderate barbel *Menticirrhus*.

*** Chin with minute filaments *Micropogon*.

* Catalogue of the Fishes of the Eastern Coast of North America, pp. 32, 33. (Feb. 14, 1861.)

Revision of the Genera of North American Sciæninæ, in "Proc. Acad. Nat. Sci., Philada.," 1861, pp. 79—89.

On the Liostominae, op. cit., 1861, pp. 89—93.

On the Haplidenotinae, op. cit., 1861, pp. 100—105.

† Note on the Sciænoids of California, op. cit., 1862, pp. 16—18.

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